

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

5/11
Claims 1-7 (Previously canceled)

B³
Claim 8 (Currently amended): A device for intravascular cardiac valve surgery, comprising:

a micro axial pump(40) fastened to a catheter (10) and having a tubular pump portion (14); and

a dilating device (18) surrounding the pump portion (14) wherein said dilating device is configured for breaking up a stenosis of a [catheter] cardiac valve upon deployment while positioned within said cardiac valve (AK).

Claim 9 (Previously added) The device of claim 8, characterized in that the pump portion (14) comprises a pump ring (15) and a tubular cannula (16) connected therewith.

Claim 10 (Previously added) The device of claim 8, characterized in that the dilating device (18) comprises an annular high-pressure balloon inflatable to at least 1.0 bar.

Claim 11. (Previously added) The device of claim 10, characterized in that the pump portion (14) comprises a pump ring (15) and a tubular cannula (16) connected therewith.

Claim 12. (Previously added) The device of claim 11, wherein the high-pressure balloon is seated on a rigid annular support.

B³ Claims 13-17 (Currently canceled)

Claim 18 (New): The device of claim 10, wherein said balloon has a rectangular longitudinal cross-section.

Claim 19. (New): The device of claim 8, wherein said micro axial pump comprises an implantable tubular drive portion that is directly coupled to said pump portion.